RE : 000050/22-23

BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work:-Annual maintenance of street lights Package - D 4 InBagalgunte Ward no 14
Work Code No:-014-22-000002
Agreement No:EE/Ele/DZ/TEND/AGR/000012/2021-22 Date:31.03.2022
Reference and Date of commencement of work:-:-EE/(Elec)/DZ/TEND/WO/000004/2022-23 Date 04-04-2022
Estimate Amount:Rs 1300000.00
Sanction:-EE/DZ/TEND/AS/13/2021-22 Date 21-03-2022
Tender:-EE/DZ/TEND/TS/126/2021-22 Date:05-01-2022
Name of Contractror of nature of Agency:- M/s. M.J.Ningegowda(Chowdeshwari Electricals)
Measurement Book No: 3402/18-19 Page No: Date:
Bill No :- RA Bill Bill Period :- 01/12/2022 to 31/12/2022

Sl No	Description	Unit	Period 1 Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 36/40 W fluorescent tube light street lighting system.	Each	1	0	685.00	57.08	0.00
	No of complaints attended for the period of 1/12/2022 to 31/12/2022						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Nos	1	104	756	63.00	6552
	No of complaints attended for the period of 1/12/2022 to 31/12/2022 55 NO						
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each	1	2642	1010	84.16	222350.72
	No of complaints attended for the period of 1/12/2022 to 31/12/2022 250 NO						

EE (Ele) DZ

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Bruhath Bangalore Mahanagara Palike

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	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, capacitors, Switches, wires, Holders, Starters and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise data bank, furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights as detailed in tender documents for various type of street lights/systems as detailed below 400 watts HPSV street light/High mast lighting system.	Each	1	128	1118	93.16	119244.8
	No of complaints attended for the period of 1/12/2022 to 31/12/2022 — 44 NO						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise street light data bank, furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/street lighting system	Each	1	168	880	73.33	123194.4
	No of complaints attended for the period of 1/12/2022 to 31/12/2022						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise street light data bank, furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street light lighting system	Each	1	265	1147	95.58	25328.70
	No of complaints attended for the period of 1/12/2022 to 10/12/2022 — 33 NO						
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise street light data bank, furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system	Each	1	121	1377	114.75	13884.75
	No of complaints attended for the period of 1/12/2022 to 31/12/2022 — 63 NO						

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Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise street light data bank, furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 110/120 W LED street light lighting system	Nos	1	0	1575	131.25	0
	No of complaints attended for the period of 1/12/2022 to 31/12/2022						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise street light data bank, furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light/High mast lighting system	Nos	1	0	1871	155.91	0
	No of complaints attended for the period of 1/12/2022 to 31/12/2022						
10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both Lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 300mmx450mmx214mm	Each	0	0	5127	5120.00	0
11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 rating and as per IS 13947 100 to 125Amps	Each	0	0	7200	7100.00	0
12	Supply and fixing miniature circuit breakers on existing distribution boards using necessary fixing materials [illegible] indicator ON/OFF energy cross 3 with C Type curve, short circuit breaking capacity of 10K and complete as required confirming to IEC 60898 50-63 Amps	Each	0	0	723	720.00	0
	[illegible]	Each	0	0	4030	4000.00	0
13	Supply and fixing Microprocessor Based Astronomical timer switch with using necessary bolts, nuts and washers	Each	0	0	70	65.00	0
14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS 694 confirming to latest	Mtr	0	0	[illegible]	[illegible]	[illegible]

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Dasarahalli Zone, Bangalore

Exe. Engineer (Ele)
B.B.M.P. Dasarahalli Division

15	Supply of Tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6 sqmm	Each	0	0	7	7.00	0
	TOTAL						292360.09
	Add GST 12 % on item no 10 to 15						0.00
	TOTAL Rs						292360.09
	Fine imposed for non burning of street lights For the period of 01/12/2022 to31/12/2022						3500.00
	As per street light agreement clause 2 % will be recovered in monthly maintenance bill against the electrical scrap material						5847.20
	GRAND TOTAL						283012.89

CERTIFICATE

1. This is to certify that the work done is saticefactorily.
2. This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.
3. Item no (1) to (15) are checked and found correct

Asst Engineer(Elec)
Dasarahalli Division

Asst.Exe.Engineer(Elec)
Dasrahalli Division

Executive Engineer (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

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